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An Overview on the Mechanical Behaviour of Biodegradable ... - Briassoulis - Cited by 6
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Poly(lactic acid) (PLA) is an example of a synthetic commercial polymer in which the ... (3)

Young's **modulus** (also known as **elastic modulus** or **modulus** of ...

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Impact modified melt-stable lactide polymer compositions and ...

This polylactide-based polymer can include polylactide, **poly(lactic acid)**, ... **Poly(lactide)** with number average **molecular weight** of 69000 and **weight** ...

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Hydrogenated block copolymers having elasticity and articles made ...

Suitable **poly lactic acid** (PLA) polymers for use in the invention are well known ... TABLE 2

Weight MFR Ultimate 300% 1 Cycle Percent (g/10 Tensile Modulus ...

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Aliphatic polyester resin composition patent invention

[0049] To 100 parts by **weight** of **polylactic acid** (LACTY9800, ... amount of the **polylactic acid** and the **plasticizer**, lowering of the **elastic modulus** at high ...

[www.freshpatents.com/Aliphatic-polyester-resin-composition-](http://www.freshpatents.com/Aliphatic-polyester-resin-composition-dt20051208ptan20050272843.php?type=description)

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Synthetic biodegradable **poly(a-ester)s**, eg **poly(lactic acid)** (PLA), **poly(glycolic acid)** ... of **plasticizer** was to reduce the **tensile modulus**, increase ...

[dx.doi.org/10.1002/\(SICI\)1097-0126\(1998100\)47:2%3C89::AID-PI86%3E3.0.CO;2-F](http://dx.doi.org/10.1002/(SICI)1097-0126(1998100)47:2%3C89::AID-PI86%3E3.0.CO;2-F) -

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siderably, but the breaking stress and **elastic modulus** decreased. The brittleness problem of the ... Cellulose diacetate-graft-**poly(lactic acid)s** (CDA-g- ...

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ms Annual Reviews in Materials Science Annu. Rev. Mater. Sci ...

Variations in **molecular weight** characteristics, **crystallinity**, ... Brady et al 007) implanted C14-labeled d/**polylactic acid** in the abdominal wall of the rat ...

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high **molecular weight** polymers. PGA has a high **crystallinity** (45-55%) that ...

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20050287358 - Packaging **film**: A **film** of biodegradable **polylactic** acid polymers ... about 90 to about 99.9 **weight** % of at least one **polyester-polyether** block ...
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The effect of MMT content and N6 **molecular weight** on the **tensile modulus** of ... J.-H.

Chang, Y. Uk-An and GS Sur, **Poly(lactic acid)** nanocomposites with ...

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L2	5240	film and lactic and (polylactic or poly near lactic) and polyester	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/18 05:37
L3	5367	film and lactic and (polylactic or poly near lactic) and (polyester or polyether)	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/18 05:38
L4	1049	film and lactic and (polylactic or poly near lactic) and (polyester or polyether) and (molecular or weight) and plasticiz\$4	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/18 05:38

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L5	689	film and lactic and (polylactic or poly near lactic) and (polyester or polyether) and (molecular or weight) and plasticiz\$4 and crystalli\$6	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2006/09/18 05:39
L6	401	film and lactic and (polylactic or poly near lactic) and (polyester or polyether) and (molecular or weight) and plasticiz\$4 and crystalli\$6 and elastic\$6	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2006/09/18 05:39
L7	401	film and lactic and (polylactic or poly near lactic) and (polyester or polyether) and (molecular or weight) and plasticiz\$4 and crystalli\$6 and elastic\$6 and (polymer or plastic)	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2006/09/18 05:40
L8	334	film and lactic and (polylactic or poly near lactic) and (polyester or polyether) and (molecular or weight) and plasticiz\$4 and crystalli\$6 and elastic\$6 and (polymer or plastic)and (tensile or modulus or mpa)	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2006/09/18 05:40
L9	401	film and (polylactic or poly near lactic) and (polyester or polyether) and (molecular or weight) and plasticiz\$4 and crystalli\$6 and elastic\$6 and (polymer or plastic)and (tensile or modulus or mpa)	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2006/09/18 05:41

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L10	106	film and (polylactic or poly near lactic) and (polyester or polyether) near200 plasticiz\$4 and crystalli\$6 and elastic\$6 and (polymer or plastic)and (tensile or modulus or mpa) and (molecular or weight)	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2006/09/18 05:41
L11	79	film and (polylactic or poly near lactic) and (polyester or polyether) near200 plasticiz\$4 and crystalli\$6 and elastic\$6 and (polymer or plastic)and (tensile near2 modulus or mpa) and (molecular or weight)	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2006/09/18 05:42
L12	4	film and (polylactic or poly near lactic) and (polyester or polyether) near200 plasticiz\$4 and crystalli\$6 and elastic\$6 and (polymer or plastic)and (tensile near2 modulus near4 mpa) and (molecular or weight)	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2006/09/18 05:44
L13	4	film and (polylactic or poly near lactic) and (polyester or polyether) near200 plasticiz\$4 and crystalli\$6 and elastic\$6 and (tensile near2 modulus near4 mpa) and (molecular or weight)	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2006/09/18 05:48
L14	4	(polylactic or poly near lactic) and (polyester or polyether) near200 plasticiz\$4 and crystalli\$6 and elastic\$6 and (tensile near2 modulus near4 mpa) and (molecular or weight)	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2006/09/18 05:48